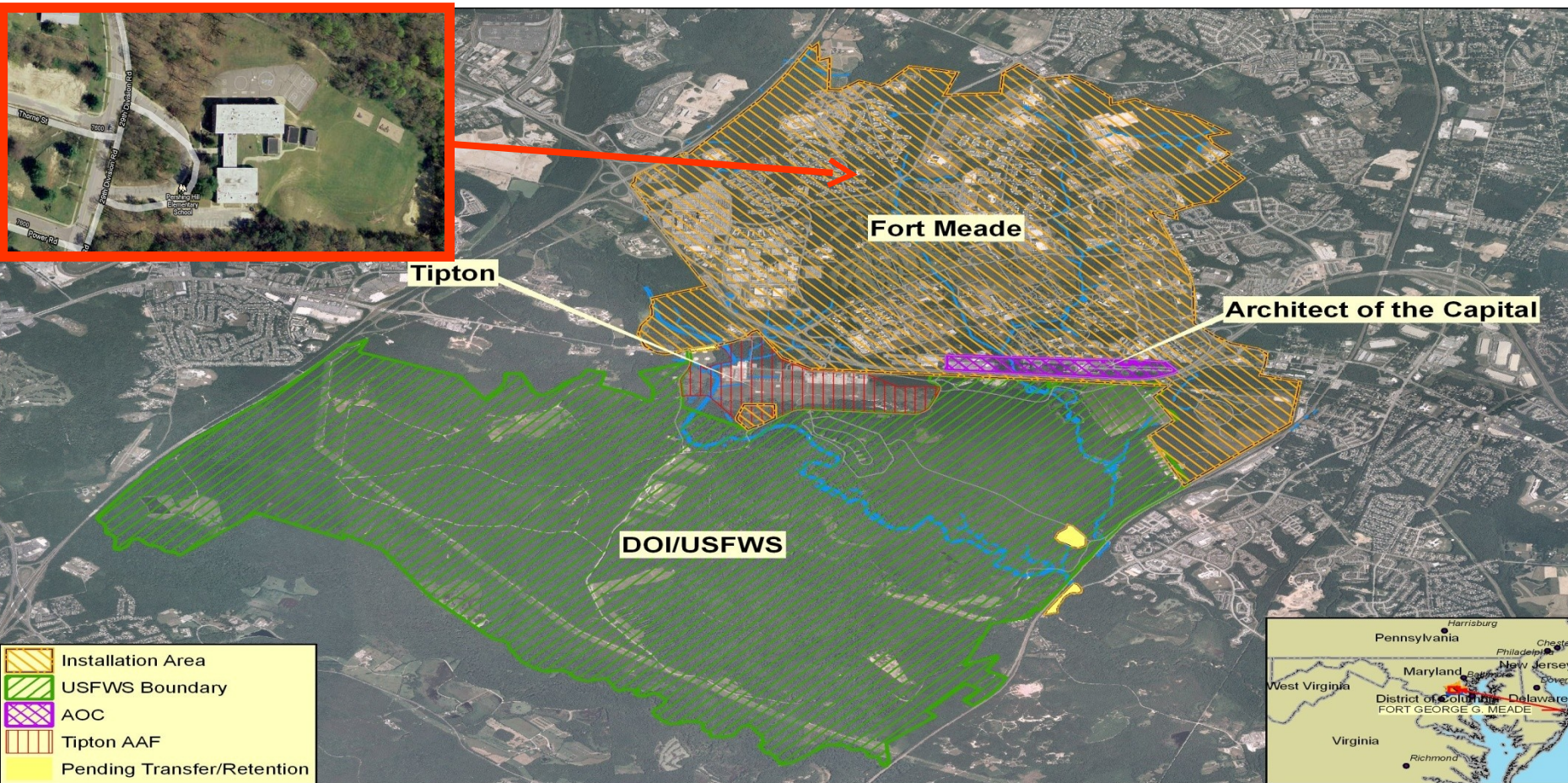
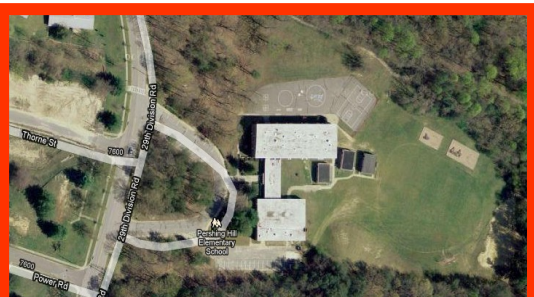
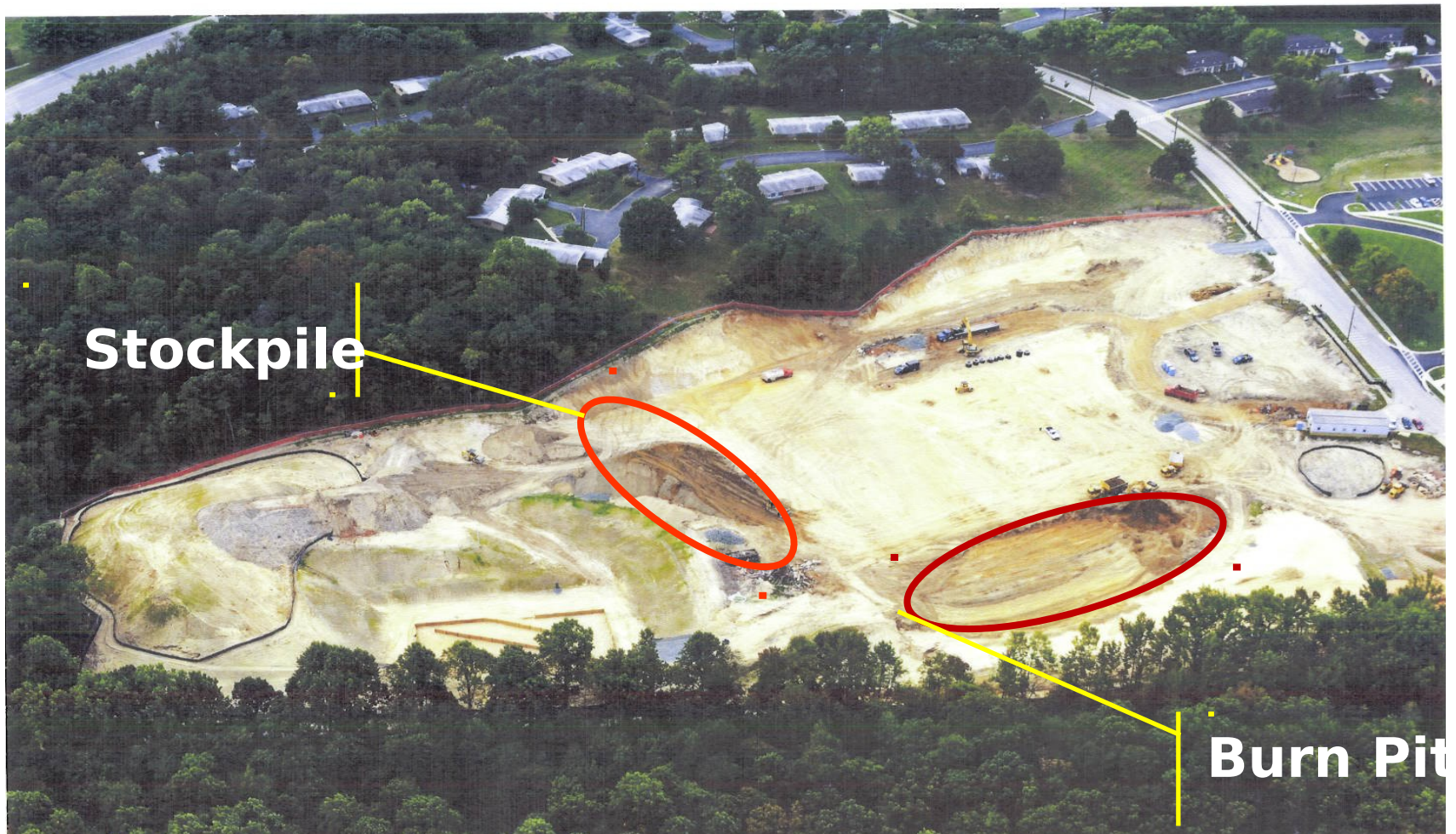




Pershing Hill Elementary School Burn Pit Stockpile Removal Project



Burn Pit and Stockpile July 2009



Stockpile

Burn Pit

January 5, 2010

Mr. Tom Ivey
Department of the Army
HQ US Army Installation Management Command
Headquarters, United States Army Garrison
4551 Liewellyn Avenue, Suite 5000
Fort George Meade, Maryland 20755-5000

Re: MDE No. 07-SF-0016 – Soil Stockpiles at Ft. Meade Landfill
Modification to include new stockpile area

Dear Mr. Ivey:

The Administration has received and reviewed the December 29, 2009 submittal requesting modification to the approval for the above referenced project in Anne Arundel County. The review was in accordance with Sections 4-106 and 4-205 of the Department of the Environment Article, Annotated Code of Maryland, with regard to Sediment Control and Stormwater Management.

As a result of the review, it has been determined that the following proposed modification:

New Stockpile Area

is approved.

It is the responsibility of the Applicant to ensure that a copy of the approved modification shall be available to the contractor at the construction site.

By copy of this letter, the approved modifications will be transmitted to the Maryland Department of the Environment Inspection and Compliance Program. Please call either Ms. Amanda Malcolm or myself at (410) 537-3563 with any questions or comments.

Sincerely,

James K. Tracy
James K. Tracy, P.E., Chief
Sediment and Stormwater Plan Review Division
Water Management Administration

jkt/apm

cc: Heather Nelson, MDE Compliance
Karen Smith, MDE Compliance
approval file

REC'D JAN 19
JAN 19 2010

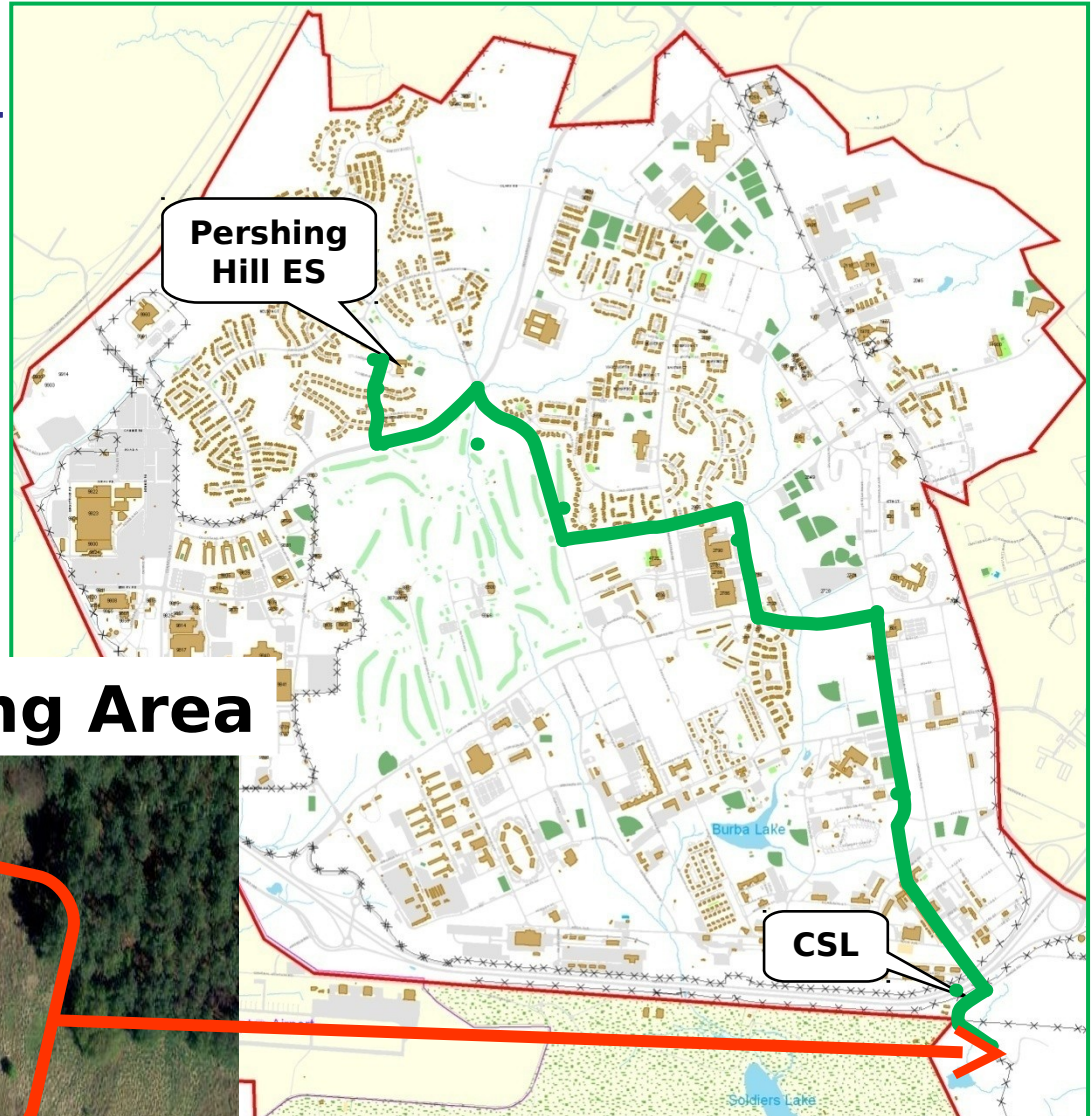
Recycled Paper

www.mde.state.md.us

TTY Users 1-800-735-2258
Via Maryland Relay Service

Soil Transport Route

Approved



Temporary Staging Area



Geotechnical Boring Plan

RED CIRCLES

Arsenic Detections

- 2.2 ppm – 3.3 ppm

Above EPA RSL for residential and industrial

Diesel Range Organics

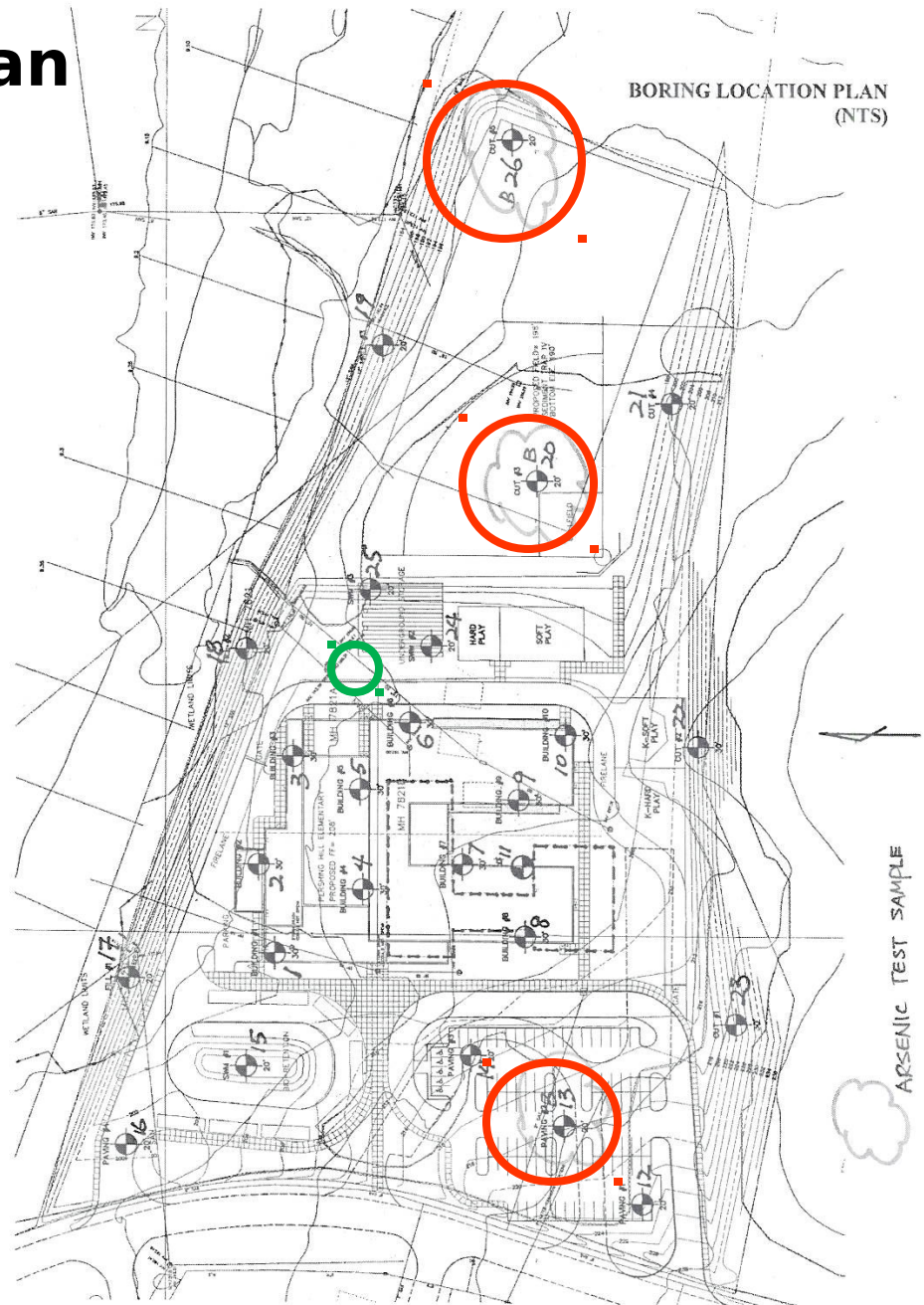
300 ppm

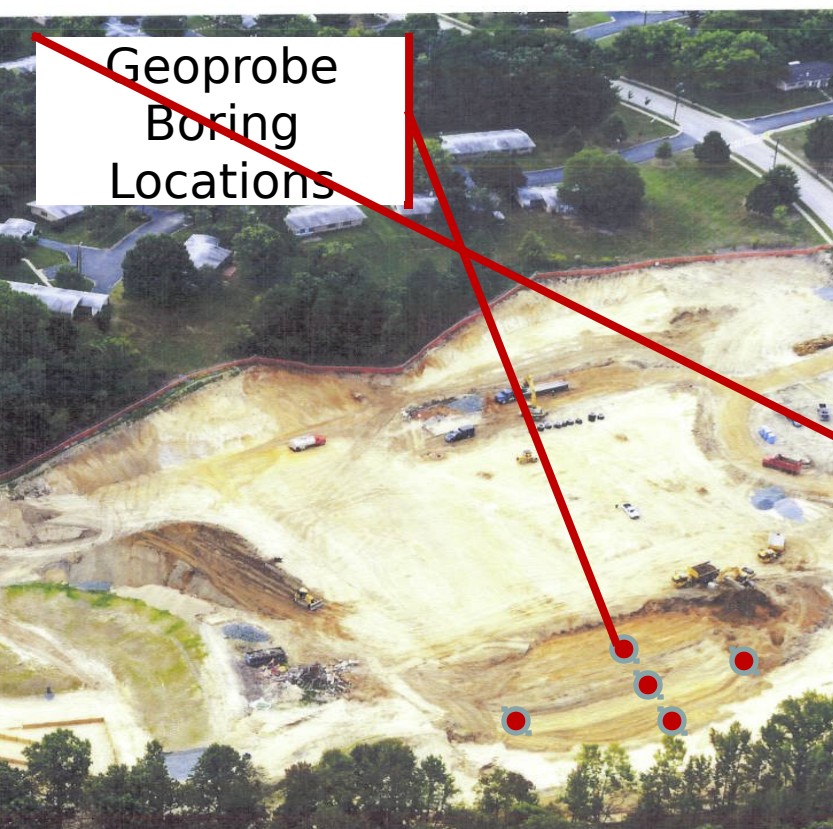
Above Residential

GREEN CIRCLE

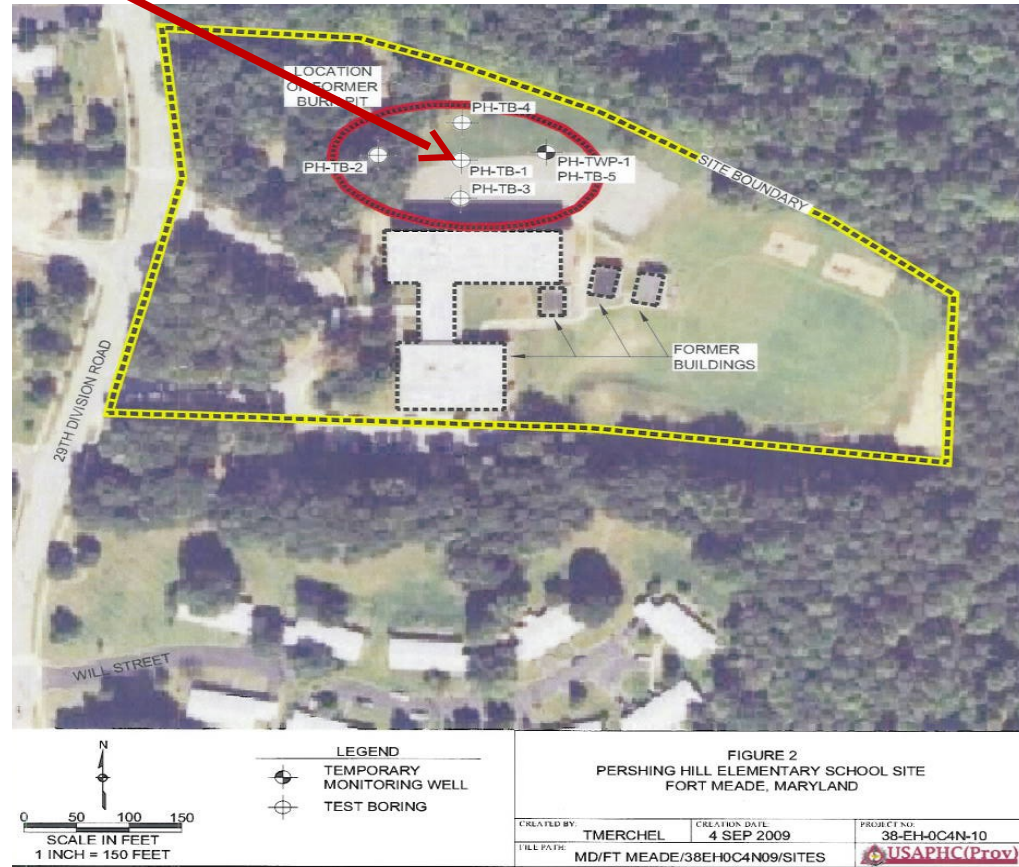
Storm Water Control Feature

Dioxin and Furan Detections





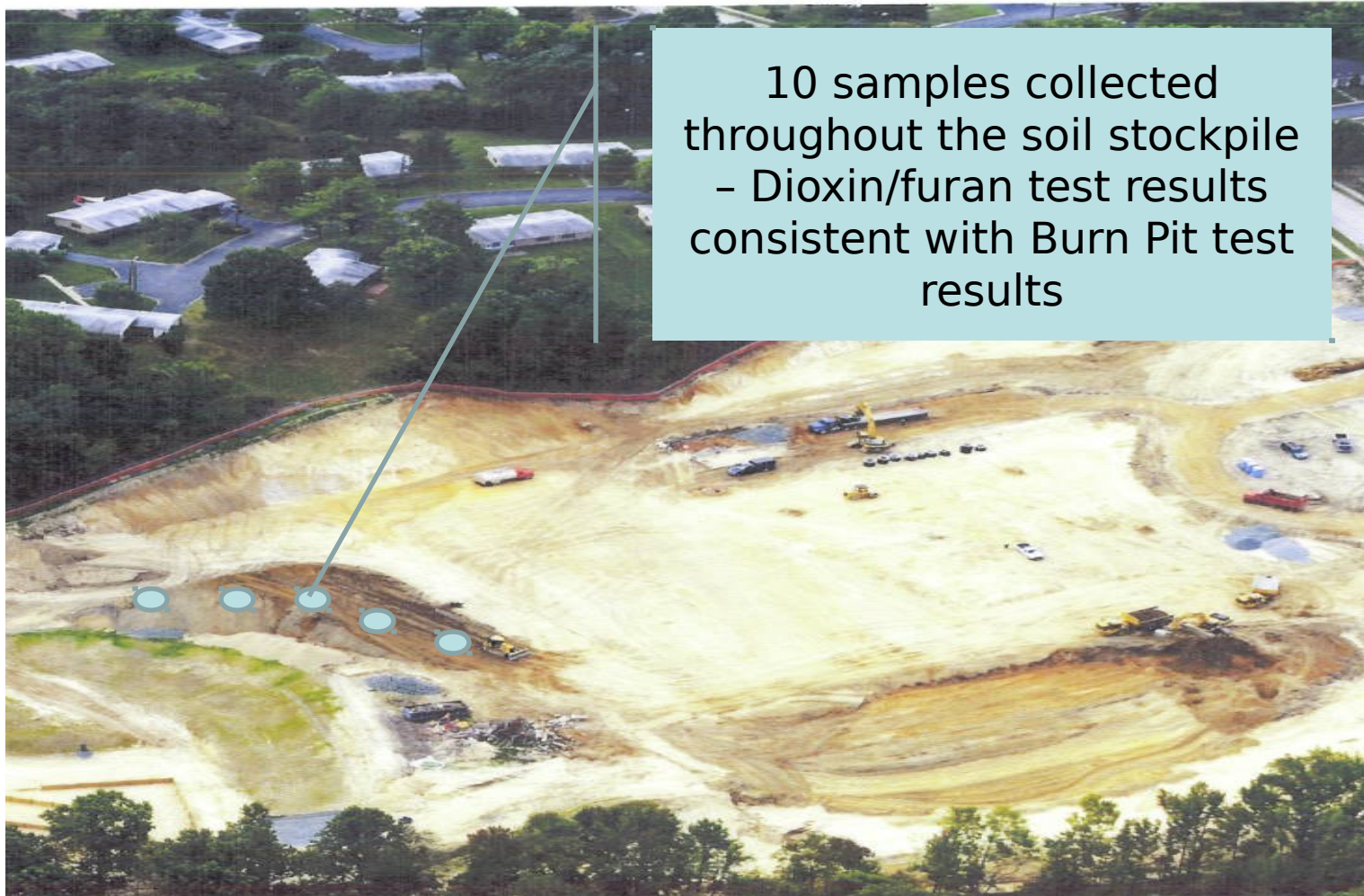
Geoprobe Boring Location M



**Samples collected from the
Burn
Pit bottom (20 to 24 feet
bgs)**

- All results detected dioxins/furans

Soil Stockpile Sampling





Data Summation

Dioxins/Furans

- EPA analysis of dioxin/furans shows no risk high enough to warrant any action

Arsenic

- Arsenic levels above EPA RSL, but generally consistent with Ft. Meade and regional background levels

Diesel Range Organics

- Above state criteria



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Precautionary Measures

- Move Burn Pit stockpile to permitted location at the Closed Sanitary Landfill – engineering controls in effect
- Stockpile currently covered
- Post stockpile testing
- Dump trucks to be covered
- Soil screened for hydrocarbons and placed into 2 stockpiles



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Short-term Project Schedule



- Mobilization this week
- Site preparation work at the school – 2 days
- Sediment controls at Landfill
- Hauling commence ~ March 31, 10
- 3 weeks of hauling
- Two stockpiles re-tested for disposal purposes



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Army Contact Information



U.S. Army Garrison Fort George G. Meade

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2212 Chisholm Avenue, Suite 5115
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